Industries with the highest nonfatal total cases incidence rates 1 for injuries and illnesses, private industry, 1994

		1994			
	SIC	Annual	Incidence		
Industry <sup>2</sup>	code 3	average	r	ate	
,		employment			
		(000's) <sup>4</sup>	1993	1994	
Meat packing plants	2011	137.6	39.0	36.4	
Motor vehicles and car bodies	3711	339.6	31.2	33.2	
Ship building and repairing	3731	107.2	34.3	31.8	
Gray and ductile iron foundries	3321	78.8	27.0	30.2	
Mobile homes	2451	55.2	27.5	29.3	
Metal sanitary ware	3431	n.a.	29.0	28.3	
Truck trailers	3715	34.1	22.7	27.5	
Automotive stampings	3465	106.4	26.7	25.9	
Motorcycles, bicycles, and parts	3751	n.a.	23.8	24.2	
Steel foundries, n.e.c.	3325	25.9	23.1	23.3	
Aluminum die-castings	3363	n.a.	22.8	23.3	
Public building and related furniture	2531	39.0	19.2	23.2	
Household appliances, n.e.c.	3639	n.a.	27.5	23.2	
Architectural metal work	3446	27.0	16.6	23.0	
Iron and steel forgings	3462	30.0	20.7	22.9	
Poultry slaughtering and processing	2015	223.5	23.2	22.7	
Truck and bus bodies	3713	38.1	22.7	22.2	
Metal barrels, drums, and pails	3412	n.a.	22.1	22.1	
Travel trailers and campers	3792	21.4	19.0	21.9	
Primary aluminum	3334	22.8	18.1	21.6	
,					
Malleable iron foundries	3322	5.4	25.9	21.4	
Flat glass	3211	15.0	20.9	21.3	
Prefabricated wood buildings	2452	n.a.	22.8	20.8	
Knit underwear mills	2254	24.5	20.3	20.7	
Structural wood members, n.e.c.	2439	n.a.	20.8	20.7	
·					
Sausages and other prepared meats	2013	89.5	19.7	20.4	
Motor vehicle parts and accessories	3714	466.9	19.1	20.3	
Metal doors, sash, and trim	3442	75.0	16.6	19.4	

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries and illnesses.

EH = total hours worked by all employees during the calendar year,

200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

n.e.c. = not elsewhere classified

n.a. = not available

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor

<sup>&</sup>lt;sup>2</sup> High rate industries were those having the 25 highest total cases incidence rates for injuries and illnesses at the most detailed or lowest SIC level at which rates are calculated and published. Based on this comparison, the highest rates were all reported in manufacturing industries. Generally, manufacturing industries were calculated at the 4-digit code level and the remaining industries at the 3-digit level based on the Standard Industrial Classification Manual, 1987 Edition.

Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program.

#### Industries with the highest nonfatal total cases incidence rates <sup>1</sup> for injuries only, private industry, 1994

Industry <sup>2</sup>	SIC code <sup>3</sup>	1994 Annual average employment	Incidence rate		
		(000's) <sup>4</sup>	1993	1994	
Mobile homes	2451	55.2	27.0	28.9	
Gray and ductile iron foundries	3321	78.8	24.5	27.8	
Ship building and repairing	3731	107.2	30.8	27.6	
Truck trailers	3715	34.1	20.8	24.7	
Architectural metal work	3446	27.0	16.1	22.9	
Meat packing plants	2011	137.6	24.4	22.4	
Motor vehicles and car bodies	3711	339.6	21.5	21.9	
Metal barrels, drums, and pails	3412	n.a.	20.7	21.8	
Steel foundries, n.e.c	3325	25.9	21.6	21.7	
Iron and steel forgings	3462	30.0	19.7	21.4	
Automotive stampings	3465	106.4	22.2	21.2	
Travel trailers and campers	3792	21.4	18.2	21.0	
Structural wood members, n.e.c	2439	n.a.	20.5	20.5	
Prefabricated wood buildings	2452	n.a.	22.4	20.3	
Household appliances, n.e.c	3639	n.a.	23.7	20.3	
Aluminum die-castings	3363	n.a.	20.6	20.1	
Truck and bus bodies	3713	38.1	20.3	19.6	
Metal sanitary ware	3431	n.a.	20.0	19.2	
Public building and related furniture	2531	39.0	16.0	18.9	
Malleable iron foundries	3322	5.4	23.4	18.7	
Metal doors, sash, and trim	3442	75.0	15.8	18.6	
Primary aluminum	3334	22.8	15.0	18.4	
Wood preserving	2491	n.a.	13.4	17.9	
Motorcycles, bicycles, and parts	3751	n.a.	17.6	17.6	
Boat building and repairing	3732	52.2	15.9	17.5	
Mattresses and bedsprings	2515	30.3	16.9	17.4	
Wood partitions and fixtures	2541	n.a.	14.4	17.4	

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of injuries per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries

EH = total hours worked by all employees during the calendar year,

00,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

n.e.c. = not elsewhere classified

n.a. = not available

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor

<sup>&</sup>lt;sup>2</sup> High rate industries were those having the 25 highest total cases incidence rates for injuries at the most detailed or lowest SIC level at which rates are calculated and published. Based on this comparison, the highest rates were all reported in manufacturing industries. Generally, manufacturing industries were calculated at the 4-digit code level and the remaining industries at the 3-digit level based on the <u>Standard Industrial Classification Manual</u>, 1987 Edition.

<sup>&</sup>lt;sup>3</sup> <u>Standard Industrial Classification Manual</u>, 1987 Edition.

<sup>&</sup>lt;sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program.

## Industries with the highest nonfatal lost workday cases incidence rates <sup>1</sup> for injuries and illnesses, private industry, 1994

Industry <sup>2</sup>	SIC code 3	1994 Annual average employment	Incidence rate		
		(000's) ⁴	1993	1994	
Meat packing plants	2011	137.6	19.3	19.4	
Ship building and repairing	3731	107.2	16.9	15.6	
Truck trailers	3715	34.1	10.1	13.8	
Mobile homes	2451	55.2	11.6	12.1	
Sausages and other prepared meats	2013	89.5	11.1	12.0	
Poultry slaughtering and processing	2015	223.5	11.4	12.0	
Motor vehicles and car bodies	3711	339.6	10.6	12.0	
Gray and ductile iron foundries	3321	78.8	10.6	11.2	
Prefabricated wood buildings	2452	n.a.	10.7	11.1	
Steel foundries, n.e.c.	3325	25.9	11.2	10.7	
Aluminum die-castings	3363	n.a.	9.9	10.7	
Public building and related furniture	2531	39.0	8.7	10.6	
Anthracite mining	123	n.a.	-	10.3	
Structural wood members, n.e.c	2439	n.a.	10.5	10.3	
Travel trailers and campers	3792	21.4	6.8	10.3	
Bottled and canned soft drinks	2086	95.6	10.1	10.2	
Wood preserving	2491	n.a.	5.3	10.2	
Vitreous plumbing fixtures	3261	n.a.	11.2	10.0	
Prepared flour mixes and doughs	2045	n.a.	8.8	9.8	
Concrete products, n.e.c.	3272	65.6	9.0	9.8	
Motorcycles, bicycles, and parts	3751	n.a.	10.8	9.7	
Malleable iron foundries	3322	5.4	14.2	9.6	
Fresh or frozen prepared fish	2092	n.a.	8.9	9.5	
Wood products, n.e.c	2449	n.a.	7.2	9.4	
Trucking and courier services, except air	421	1,653.4	8.5	9.4	
Clay refractories	3255	n.a.	6.2	9.3	
Potato chips and similar snacks	2096	n.a.	8.5	9.2	
Mattresses and bedsprings	2515	30.3	8.8	9.2	

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries and illnesses,

EH = total hours worked by all employees during the calendar year,

200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

n.e.c. = not elsewhere classified

n.a. = not available

NOTE: Dashes '-' indicate data that are not available or data that do not meet publication guidelines.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor

<sup>&</sup>lt;sup>2</sup> High rate industries were those having the 20 highest lost workday cases incidence rates for injuries and illnesses at the most detailed or lowest SIC level at which rates are calculated and published. Based on this comparison, the highest rates were reported in manufacturing industries, except SIC 123 (mining) and SIC 421 (transportation and public utilities). Generally, manufacturing industries were calculated at the 4-digit code level and the remaining industries at the 3-digit level based on the Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>3</sup> Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program.

Industries with the highest nonfatal lost workday cases incidence rates 1 for injuries only, private industry, 1994

	0:0	1994		
	SIC	Annual		lence
Industry <sup>2</sup>	code 3	average	ra	ate
		employment		
		(000's) <sup>4</sup>	1993	1994
Ship building and repairing	3731	107.2	15.5	13.9
Truck trailers	3715	34.1	9.3	12.4
Meat packing plants	2011	137.6	11.7	12.0
Mobile homes	2451	55.2	11.5	11.9
Prefabricated wood buildings	2452	n.a.	10.4	10.8
Gray and ductile iron foundries	3321	78.8	9.7	10.4
Structural wood members, n.e.c	2439	n.a.	10.4	10.1
Wood preserving	2491	n.a.	5.2	10.1
Anthracite mining	123	n.a.	-	10.0
Bottled and canned soft drinks	2086	95.6	10.0	10.0
Travel trailers and campers	3792	21.4	6.3	9.9
Steel foundries, n.e.c.	3325	25.9	10.6	9.8
Concrete products, n.e.c.	3272	65.6	8.8	9.5
Clay refractories	3255	n.a.	5.9	9.3
Aluminum die-casting	3363	n.a.	8.9	9.3
Trucking and courier services, excluding air	421	1,653.4	8.3	9.3
Metal barrels, drums, and pails	3412	n.a.	10.0	9.1
Prepared flour mixes and doughs	2045	n.a.	8.3	9.0
Vitreous plumbing fixtures	3261	n.a.	10.5	9.0
Roofing, siding, and sheet metal work	176	206.2	8.6	8.9
Wood containers, n.e.c	2449	n.a.	7.1	8.9
Mattresses and bedsprings	2515	30.3	8.4	8.9
Sausages and other prepared meats	2013	89.5	8.7	8.7
Fluid milk	2026	65.6	8.2	8.6
Air transportation, scheduled	451	607.7	8.7	8.5
Public building and related furniture	2531	39.0	7.2	8.3
Malleable iron foundries	3322	5.4	12.9	8.3
Motor vehicles and car bodies	3711	339.6	7.5	8.3
Iron and steel forgings	3462	30.0	8.7	8.2
Nursing and personal care facilities	805	1,648.8	8.7	8.2

<sup>1</sup> Incidence rates represent the number of injuries per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries,

EH = total hours worked by all employees during the calendar year,

200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

n.e.c. = not elsewhere classified

n.a. = not available

NOTE: Dashes '-' indicate data that are not available or data that do not meet publication guidelines.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor

<sup>&</sup>lt;sup>2</sup> High rate industries were those having the 20 highest lost workday cases incidence rates for injuries at the most detailed or lowest SIC level at which rates are calculated and published. Based on this comparison, the highest rates were reported in manufacturing industries, except SIC 123 (mining); SIC 176 (construction), SIC's 421 and 451 (transportation and public utilities); and SIC 805 (services). Generally, manufacturing industries were calculated at the 4-digit code level and the remaining industries at the 3-digit level based on the <u>Standard Industrial Classification Manual</u>, 1987 Edition.

Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program.

### Industries with the highest nonfatal cases with days away from work incidence rates <sup>1</sup> for injuries and illnesses, private industry, 1994

Industry <sup>2</sup>	SIC code <sup>3</sup>	1994 Annual average employment	Incid ra	
		(000's) <sup>4</sup>	1993	1994
Anthracite mining	123 2439 176 2451 2452	n.a. n.a. 206.2 55.2 n.a.	8.0 7.0 7.3 8.2	9.8 8.8 8.4 8.2 7.9
Air transportation, scheduled	451	607.7	7.6	7.7
	2061	6.1	9.9	7.6
	3412	n.a.	7.1	7.4
	3792	21.4	4.8	7.4
	3363	n.a.	7.2	7.3
Fluid milk	2026	65.6	7.0	7.2
	2086	95.6	8.3	7.2
	421	1,653.4	6.7	7.2
	122	104.8	7.3	7.0
	3272	65.6	7.0	7.0
Truck trailers Concrete block and brick Gray and ductile iron foundries Ship building and repairing Dimension stone	3715	34.1	7.6	7.0
	3271	17.1	6.5	6.8
	3321	78.8	6.9	6.8
	3731	107.2	7.7	6.8
	141	n.a.	6.5	6.7
Wood products, n.e.c. Wood TV and radio cabinets. Masonry, stonework, and plastering. Steel foundries, n.e.c. Fabricated structural metal.	2499	n.a.	5.1	6.7
	2517	n.a.	3.9	6.7
	174	429.5	6.1	6.6
	3325	25.9	7.1	6.6
	3441	68.6	7.0	6.5
Mattresses and bedsprings Prepared fresh or frozen fish and seafood Logging Nursing and personal care facilities Carpentry work	2515	30.3	6.5	6.4
	2092	n.a.	6.4	6.3
	2411	82.0	8.1	6.3
	805	1,648.8	7.0	6.3
	175	210.0	5.9	6.2
Wood pallets and skids  Beer, wine, and distilled alcoholic beverages  Truck and bus bodies  Boat building and repairing  Wood partitions and fixtures	2448	n.a.	7.9	6.2
	518	150.2	5.5	6.2
	3713	38.1	5.9	6.1
	3732	52.2	5.1	6.1
	2541	n.a.	4.5	6.0

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries and illnesses,

EH = total hours worked by all employees during the calendar year,

200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

n.e.c. = not elsewhere classified

n.a. = not available

NOTE: Dashes '-' indicate data that are not available or data that do not meet publication guidelines.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor

<sup>&</sup>lt;sup>2</sup> High rate industries were those having the 20 highest cases with days away from work incidence rates for injuries and illnesses at the most detailed or lowest SIC level at which rates are calculated and published. Based on this comparison, the highest rates were reported in manufacturing industries, except SIC's 122, 123, and 141 (mining); SIC's 174, 175, and 176 (construction); SIC's 421 and 451 (transportation and public utilities); SIC 518 (wholesale trade); and SIC 805 (services). Generally, manufacturing industries were calculated at the 4-digit code level and the remaining industries at the 3-digit level based on the Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>3</sup> Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program.

### Industries with the highest nonfatal cases with days away from work incidence rates <sup>1</sup> for injuries only, private industry, 1994

Industry <sup>2</sup>	SIC code <sup>3</sup>	1994 Annual average employment	ra	ence te
		(000's) 4	1993	1994
Anthracite mining	123 2439 176 2451 2452	n.a. n.a. 206.2 55.2 n.a.	8.2 7.9 7.1 8.0	9.5 8.8 8.2 8.0 7.7
Raw cane sugar	2061 3412 451 2026 3792	6.1 n.a. 607.7 65.6 21.4	9.9 6.7 7.3 6.9 4.5	7.5 7.4 7.3 7.1 7.1
Trucking and courier services, except air Bottled and canned soft drinks Bituminous coal and lignite mining Concrete products, n.e.c. Concrete block and brick	421 2086 122 3272 3271	1,653.4 95.6 104.8 65.6 17.1	6.6 8.2 7.0 6.9 6.4	7.1 7.0 6.8 6.8 6.7
Dimension stone	141 174 3363 3715 2517	n.a. 429.5 n.a. 34.1 n.a.	6.2 6.0 6.5 6.9 3.7	6.6 6.5 6.5 6.4
Gray and ductile iron foundries Fabricated structural metal Ship building and repairing Mattresses and bedsprings Carpentry and floor work	3321 3441 3731 2515 175	78.8 68.6 107.2 30.3 210.0	6.5 6.8 7.3 6.2 5.8	6.4 6.4 6.3 6.2
Logging	2411 3325 805 2448 518	82.0 25.9 1,648.8 n.a. 150.2	8.0 6.8 6.9 7.8 5.4	6.2 6.2 6.1 6.1
Industrial valves	2491 2499 2541	n.a. n.a. n.a.	3.9 4.6 4.3	5.9 5.8 5.8

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of injuries per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries,

EH = total hours worked by all employees during the calendar year,

200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

n.e.c. = not elsewhere classified

n.a. = not available

NOTE: Dashes '-' indicate data that are not available or data that do not meet publication guidelines.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor December 1995

<sup>&</sup>lt;sup>2</sup> High rate industries were those having the 20 highest cases with days away from work incidence rates for injuries at the most detailed or lowest SIC level at which rates are calculated and published. Based on this comparison, the highest rates were reported in manufacturing industries, except SIC's 122, 123, and 141 (mining); SIC's 174, 175, and 176 (construction); SIC's 421 and 451 (transportation and public utilities); SIC 518 (wholesale trade); and SIC 805 (services). Generally, manufacturing industries were calculated at the 4-digit code level and the remaining industries at the 3-digit level based on the <u>Standard Industrial Classification</u> Manual, 1987 Edition.

<sup>&</sup>lt;sup>3</sup> Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program.

### Nonfatal occupational injuries and illnesses: number of cases and incidence rates 1 for industries with 100,000 or more total cases, 1993 and 1994

Industry	SIC code <sup>2</sup>	ca	otal ses 00's)	Incidence rate		
		1993	1994	1993	1994	
Eating and drinking places	581	391.5	362.7	8.5	7.7	
Hospitals	806	358.5	342.1	11.8	11.4	
Trucking and courier services, except air	421	213.5	246.9	14.0	15.1	
Motor vehicles and equipment manufacturing	371	202.2	238.8	24.0	25.4	
Grocery stores	541	238.7	236.1	11.3	11.2	
Nursing and personal care facilities	805	220.8	221.2	17.3	16.8	
Department stores	531	167.8	175.5	10.8	11.1	
Hotels and motels	701	132.7	127.8	10.8	10.2	
Meat products processing	201	123.9	121.7	27.6	26.5	

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of cases of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries and illnesses, EH = total hours worked by all employees during the calendar year, 200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

Bureau of Labor Statistics, U.S. Department of Labor SOURCE: December 1995

<sup>&</sup>lt;sup>2</sup> <u>Standard Industrial Classification Manual</u>, 1987 Edition.

#### Nonfatal occupational illness data 1 by category of illness, private industry, 1992-94

Category	1000	Number (000's)		Percent of total illness cases			Incidence rate 1		
	1992	1993	1994	1992	1993	1994	1992	1993	1994
Total illness cases	457.4	482.1	514.7	100	100	100	59.8	61.1	63.7
Skin diseases or disorders	62.9	60.2	65.7	14	12	13	8.2	7.6	8.1
Dust diseases of the lungs	2.6	2.7	2.7	1	1	1	0.3	0.3	0.3
Respiratory conditions due to toxic agents	23.5	24.2	25.3	5	5	5	3.1	3.1	3.1
Poisoning	7.0	7.6	7.2	2	2	1	0.9	1.0	0.9
Disorders due to physical agents	22.2	20.1	21.7	5	4	4	2.9	2.5	2.7
Disorders associated with repeated trauma	281.8	302.4	332.1	62	63	65	36.8	38.3	41.1
All other occupational illnesses	57.3	64.8	60.0	12	13	12	7.5	8.2	7.4

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of illnesses per 10,000 full-time workers and were calculated as: (N/EH) X 20,000,000 where,

number of illnesses, total hours worked by all employees during the calendar year, base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per 20,000,000

NOTE: Excludes farms with fewer than 11 employees. Because of rounding, components may not add to totals.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor

## Industries with the highest nonfatal illness incidence rates <sup>1</sup> of disorders associated with repeated trauma, private industry, 1994

			Number
Industry <sup>2</sup>	SIC	Incidence	of
•	code <sup>3</sup>	rate	cases
			(000's)
Meat packing plants	2011	1,257.4	17.9
Knit underwear mills	2254	1,052.6	2.4
Motor vehicles and car bodies	3711	963.5	34.3
Poultry slaughtering and processing	2015	832.0	18.7
House slippers	3142	725.3	0.2
Motorcycles, bicycles, and parts	3751	530.2	1.0
Men's and boys' underwear and nightwear	2322	500.3	1.1
Engine electrical equipment	3694	460.8	3.3
Potato chips and similar snacks	2096	455.7	1.6
Men's and boys' trousers and slacks	2325	416.0	3.2
Sausages and other prepared meats	2013	391.3	3.6
Automotive stampings	3465	383.2	4.4
Household refrigerators and freezers	3632	375.6	1.1
Vehicular lighting equipment	3647	362.8	0.6
Men's and boys' work clothing	2326	357.7	1.4
Public building and related furniture	2531	353.0	1.4
Automotive and apparel trimmings	2396	351.4	1.9
Household laundry equipment	3633	351.3	0.6
Motor vehicle parts and accessories	3714	340.4	16.7
Flat glass	3211	321.6	0.5
Hats, caps, and millinery	2353	319.2	0.6
Men's footwear, except athletic	3143	309.7	0.8
Hosiery, n.e.c.	2252	293.3	1.1
Lawn and garden equipment	3524	292.6	0.8
Greeting cards	2771	268.2	0.7

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of illness cases of disorders associated with repeated trauma per 10,000 full-time workers and were calculated as: (N/EH) X 20,000,000 where,

N = number of illness cases of disorders associated with repeated trauma,

EH = total hours worked by all employees during the calendar year,

20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

n.e.c. = not elsewhere classified

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor December 1995

<sup>&</sup>lt;sup>2</sup> High rate industries were those having the 25 highest incidence rates of illness cases of disorders associated with repeated trauma at the most detailed or lowest SIC level at which rates are calculated and published. Based on this comparison, the highest rates were all reported in manufacturing industries. Generally, manufacturing industries were calculated at the 4-digit code level and the remaining industries at the 3-digit level based on the <u>Standard Industrial Classification Manual</u>, 1987 Edition.

<sup>&</sup>lt;sup>3</sup> <u>Standard Industrial Classification Manual</u>, 1987 Edition.

#### Industries with the highest nonfatal illness incidence rates 1 of disorders associated with repeated trauma, private industry, 1994

		1994		
	SIC	Annual	Incid	ence
Industry <sup>2</sup>	code 3	average	ra	te
·		employment		
		(000's) <sup>4</sup>	1993	1994
Meat packing plants	2011	137.6	1,298.8	1,257.4
Knit underwear mills	2254	24.5	879.9	1,052.6
Motor vehicles and car bodies	3711	339.6	825.5	963.5
Poultry slaughtering and processing	2015	223.5	767.6	832.2
House slippers	3142	n.a.	345.0	725.3
Matauruslas hisuslas and nauta	0754		477.0	500.0
Motorcycles, bicycles, and parts	3751	n.a.	477.9	530.2
Men's and boys' underwear and nightwear	2322	n.a.	509.3	500.3
Engine electrical equipment	3694	68.9	291.4	460.8
Potato chips and similar snacks	2096	n.a.	376.9	455.7
Men's and boys' trousers and slacks	2325	81.3	473.9	416.0
Sausages and other prepared meats	2013	89.5	347.1	391.3
Automotive stampings	3465	106.4	368.8	383.2
Household refrigerators and freezers	3632	30.2	417.4	375.6
Vehicular lighting equipment	3647	n.a.	169.2	362.8
Men's and boys' work clothing	2326	42.2	272.4	357.7
Public building and related furniture	2531	39.0	260.2	353.0
Automotive and apparel trimmings	2396	54.8	220.1	351.4
Household laundry equipment	3633	17.2	288.3	351.3
Motor vehicle parts and accessories	3714	466.9	347.1	340.4
Flat glass	3211	15.0	264.1	321.6
i lat glass	3211	15.0	204.1	321.0
Hats, caps, and millinery	2353	n.a.	376.4	319.2
Men's footwear, except athletic	3143	27.9	255.4	309.7
Hosiery, n.e.c.	2252	40.6	202.5	293.3
Lawn and garden equipment	3524	n.a.	276.6	292.6
Greeting cards	2771	n.a.	258.8	268.2

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of illness cases of disorders associated with repeated trauma per 10,000 full-time workers and were calculated as: (N/EH) X 20,000,000 where.

number of illness cases of disorders associated with repeated trauma,

EΗ

total hours worked by all employees during the calendar year, base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per 20,000,000 =

n.e.c. = not elsewhere classified

n.a. = not available

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor December 1995

<sup>&</sup>lt;sup>2</sup> High rate industries were those having the 25 highest incidence rates for illness cases of disorders associated with repeated trauma at the most detailed or lowest SIC level at which rates are calculated and published. Based on this comparison, the highest rates were all reported in manufacturing industries. Generally, manufacturing industries were calculated at the 4-digit code level and the remaining industries at the 3-digit level based on the Standard Industrial Classification Manual, 1987 Edition.

Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program.

# Industries with the highest number of nonfatal illness cases of disorders associated with repeated trauma, private industry, 1994

		1004			
		1994			
		Annual	Nun		
Industry <sup>1</sup>	SIC	average	of ca	ases	
	code <sup>2</sup>	employment	(00)	000's)	
		(000's) <sup>3</sup>	1993	1994	
Motor vehicles and equipment	371	898.6	42.6	52.5	
Meat products	201	450.7	38.3	40.2	
Men's and boys' furnishings	232	265.8	7.9	7.9	
	372	479.5	9.5	7.7	
Aircraft and parts	308	689.9			
Miscellaneous plastics products, n.e.c.	306	009.9	6.0	6.6	
Grocery stores	541	2,933.6	6.4	6.5	
Hospitals	806	3,774.4	5.6	5.5	
	346	· · · · · · · · · · · · · · · · · · ·	4.8	5.4	
Metal forging and stampings		234.1			
Knitting mills	225	198.6	4.3	4.8	
Electronic components and accessories	367	544.3	3.8	4.8	
Miscellaneous electrical equipment and supplies	369	156.3	2.9	4.3	
Refrigeration and service machinery	358	190.3	2.7	3.9	
Medical instruments and supplies	384	264.8	3.1	3.7	
Telephone communications	481	903.1	4.0	3.5	
Household appliances	363	123.2	3.1	3.2	
Miscellaneous fabricated textile products	239	214.7	2.2	3.2	
Fire, marine, and casualty insurance	633	541.6	2.0	3.0	
Miscellaneous food and kindred products	209	185.2	2.3	2.7	
Ship and boat building and repairing	373	159.4	2.3	2.6	
	421		2.3 1.7		
Trucking and courier services, except air	421	1,653.4	1.7	2.6	
Computer and office equipment	357	351.0	2.7	2.5	
Department stores	531	2,211.9	2.2	2.5	
Nonstore retailers	596	308.2	2.0	2.5	
Measuring and controlling devices	382	284.3	2.4	2.5	
	203	244.9	2.6	2.4	
Preserved fruits and vegetables	203	244.9	2.0	2.4	
Women's and misses' outerwear	233	291.0	2.1	2.4	
Commercial banks	602	1,492.3	3.8	2.4	
Iron and steel foundries	332	124.9	2.1	2.3	
Cutlery, handtools, and hardware	342	129.3	2.2	2.3	
Groceries and related products	514	868.0	2.0	2.3	
Groceries and related products	314	000.0	2.0	2.5	
Electrical industrial apparatus	362	156.0	2.2	2.3	
Newspapers	271	450.4	2.8	2.3	
Commercial printing	275	550.9	2.3	2.2	
Air transportation, scheduled	451	607.7	1.8	2.2	
Bakery products	205	212.9	1.9	2.0	
Llavas hald formitors	054	000.0	0.4	0.0	
Household furniture	251	283.9	2.1	2.0	
Nonferrous rolling and drawing	335	166.7	1.9	2.0	

<sup>&</sup>lt;sup>1</sup> Industries with the highest number of illness cases of disorders associated with repeated trauma were determined by analysis of the number of cases at the 3-digit SIC code level. The analysis included those 3-digit industries which reported at least 2,000 cases of disorders associated with repeated trauma. Based on this comparison, the highest numbers were reported in manufacturing industries except SIC's 421, 451, and 481 (transportation and public utilities); SIC 514 (wholesale trade); SIC's 531, 541, and 596 (retail trade); SIC,s 602 and 633 (finance, insurance, and real estate); and SIC 806 (services).

n.e.c. = not elsewhere classified

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor December 1995

<sup>&</sup>lt;sup>2</sup> Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>3</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program.

Industry <sup>1</sup>	SIC code <sup>2</sup>	Total cases <sup>3</sup>				Days away from work cases <sup>5</sup>		Cases without lost workdays	
		1993	1994	1993	1994	1993	1994	1993	1994
Private industry <sup>6</sup>		6,255.3	6,252.2	2,772.5	2,848.3	2,135.6	2,119.3	3,482.9	3,403.9
Agriculture, forestry, and fishing <sup>6</sup>		113.1	100.4	51.2	48.5	43.5	39.7	61.9	51.8
Agricultural production <sup>6</sup> Agricultural production-crops <sup>6</sup> Agricultural production-livestock <sup>6</sup> Agricultural services Forestry Fishing, hunting, and trapping	01 02 07 08	53.7 39.4 14.3 57.2 1.4	43.5 31.0 12.5 54.7 1.6	25.2 18.4 6.8 24.9 .7 .4	20.6 14.7 5.9 26.8 .8	20.9 15.1 5.7 21.7 .6	16.5 12.0 4.4 22.3 .7	28.5 21.0 7.5 32.3 .7	22.9 16.3 6.6 27.9 .8
Mining <sup>7</sup>		41.2	38.1	24.2	24.0	20.5	20.1	17.0	14.1
Metal mining <sup>7</sup> Coal mining <sup>7</sup> Oil and gas extraction  Nonmetallic minerals, except fuels <sup>7</sup>	12	2.5 10.2 21.0 7.6	2.3 10.3 18.0 7.4	1.4 7.8 10.4 4.6	1.3 8.0 10.1 4.5	1.0 7.5 8.4 3.6	.9 7.6 8.0 3.6	1.1 2.3 10.5 3.1	1.0 2.3 7.9 2.9
Construction		501.8	519.4	226.5	241.7	201.6	214.9	275.3	277.7
General building contractors	16	110.8 73.6 317.5	112.5 70.3 336.6	49.6 34.1 142.8	52.4 34.4 154.9	44.0 29.4 128.2	46.4 29.4 139.1	61.2 39.4 174.7	60.1 35.9 181.7
Manufacturing		1,869.1	1,906.1	819.5	859.4	526.6	526.2	1,049.6	1,046.7
Durable goods		1,168.8	1,223.0	489.9	524.5	319.8	330.0	678.9	698.5
Lumber and wood products Furniture and fixtures Stone, clay, and glass products Primary metal industries Fabricated metal products Industrial machinery and equipment Electronic and other electric equipment Transportation equipment Instruments and related products Miscellaneous manufacturing industries	25 32 33 34 35 36 37	106.3 63.3 67.9 109.9 199.4 197.5 103.2 251.2 38.6 31.5	111.1 67.8 67.2 112.1 210.9 212.4 104.7 265.6 38.4 32.8	51.2 27.6 31.1 48.4 83.0 73.6 42.3 101.6 16.7 14.3	55.3 31.3 33.2 49.1 87.2 80.2 45.2 111.5 17.0 14.5	38.8 17.8 21.6 31.8 55.0 51.3 26.8 56.9 10.5 9.3	40.5 19.2 22.1 30.6 56.5 53.4 26.4 62.1 10.2 9.0	55.1 35.7 36.8 61.5 116.4 123.9 60.9 149.6 21.9 17.3	55.8 36.5 33.9 63.1 123.6 132.2 59.5 154.1 21.4 18.3
Nondurable goods		700.3	683.1	329.6	334.8	206.7	196.1	370.7	348.3
Food and kindred products Tobacco products Textile mill products Apparel and other textile products Paper and allied products Printing and publishing Chemicals and allied products Petroleum and coal products Rubber and miscellaneous plastics products Leather and leather products	21 22 23 26 27 28 29 30 31	236.1 2.2 56.7 64.0 64.7 86.0 57.1 7.8 115.0 10.7	227.4 2.0 49.7 62.3 63.7 85.8 53.5 6.8 121.7 10.3	118.9 .9 24.9 26.5 30.4 39.4 26.7 3.7 53.3 4.8	121.8 .9 23.8 26.9 30.2 38.7 26.6 3.5 58.2 4.3	72.3 .7 12.2 19.1 18.8 29.2 15.4 2.3 33.4 3.4	66.9 .7 10.8 17.6 17.8 28.2 15.0 1.9 34.5 2.7	117.2 1.3 31.8 37.6 34.3 46.6 30.4 4.1 61.6 5.9	105.6 1.1 25.9 35.4 33.5 47.1 26.9 3.3 63.5 6.0
Transportation and public utilities 7		497.8	510.4	284.1	301.5	225.4	233.9	213.7	208.9
Railroad transportation 7  Local and interurban passenger transit  Trucking and warehousing  Water transportation  Transportation by air  Pipelines, except natural gas  Transportation services  Communications  Electric, gas, and sanitary services	41 42 44 45 46 47 48	14.5 32.0 223.9 15.0 92.7 .7 12.9 40.8 65.2	13.0 29.8 257.5 13.8 83.3 .4 14.3 35.7 62.6	11.1 15.9 134.8 8.3 51.6 .4 6.8 22.0 33.2	9.7 15.8 159.9 7.6 50.6 .2 7.6 18.8 31.2	9.7 14.2 107.3 7.8 43.1 .3 5.5 17.2 20.3	8.6 13.6 121.5 7.1 43.1 .2 5.9 14.7 19.2	3.5 16.2 89.1 6.7 41.1 .3 6.1 18.8 31.9	3.2 13.9 97.5 6.2 32.7 .2 6.7 17.0 31.4

#### Number of nonfatal occupational injuries by industry, 1993-94 (In thousands) — Continued

Industry <sup>1</sup>	SIC code <sup>2</sup>	Total cases <sup>3</sup>		Lost workday cases <sup>4</sup>		Days away from work cases <sup>5</sup>		Cases without lost workdays	
		1993	1994	1993	1994	1993	1994	1993	1994
Wholesale and retail trade		1,621.6	1,601.6	685.7	691.7	553.1	543.3	935.9	909.9
Wholesale trade		431.5	438.5	205.3	214.0	156.4	159.6	226.1	224.5
Wholesale tradedurable goods	50 51	218.6 212.8	234.9 203.6	95.4 110.0	106.0 108.0	73.0 83.4	78.6 81.0	123.3 102.9	128.9 95.6
Retail trade		1,190.1	1,163.0	480.4	477.7	396.7	383.6	709.8	685.4
Building materials and garden supplies	52 53 54 55 56 57 58 59 60 61 62 63 64 65 67	74.5 186.6 242.6 148.5 32.7 38.8 382.5 83.9 152.4 38.7 4.6 3.7 25.8 7.8 67.3 4.5	74.6 192.5 239.1 144.6 30.5 43.4 356.6 81.8 147.5 35.4 6.3 3.1 29.0 7.1 63.1 3.4	34.2 88.0 100.0 54.6 13.2 19.2 133.6 37.6 61.7 12.3 1.8 1.5 10.2 2.4 31.8 1.7	35.4 95.0 99.8 55.5 12.1 21.1 122.0 36.7 58.8 12.4 2.4 1.2 9.2 2.2 29.9 1.4	27.0 64.3 86.2 47.8 10.4 15.5 115.8 29.6 52.2 11.0 1.4 1.3 8.6 2.1 26.5 1.3	27.7 65.2 84.6 46.7 9.3 16.7 105.2 28.3 49.0 10.8 1.8 1.1 7.6 2.0 24.7 1.1	40.3 98.6 142.6 93.9 19.5 19.7 248.9 46.3 90.7 26.5 2.8 2.2 15.6 5.4 35.5 2.8	39.2 97.4 139.3 89.1 18.4 22.2 234.5 45.1 88.7 23.1 3.9 1.9 19.8 4.9 33.2 2.0
Services		1,458.3	1,428.8	619.6	622.8	512.7	492.3	838.8	806.0
Hotels and other lodging places Personal services Business services Auto repair, services, and parking Miscellaneous repair services Motion pictures Amusement and recreation services Health services Legal services Educational services Social services Museums, botanical, zoological gardens Engineering and management services	70 72 73 75 76 78 79 80 81 82 83 84	132.2 36.3 179.7 64.1 27.5 9.5 80.8 645.2 8.6 51.7 115.2 4.6 55.9	126.8 34.2 183.1 60.8 23.2 9.9 73.9 629.1 7.5 52.2 121.3 3.9 54.9	59.8 17.1 85.0 26.2 12.1 3.1 31.9 265.8 3.1 17.8 52.6 1.9 23.5	58.6 15.8 88.2 25.7 10.7 3.5 31.7 266.5 2.5 19.1 55.1 1.6 22.9	47.4 13.7 71.6 23.0 10.3 2.5 24.5 219.9 2.6 15.4 43.8 1.4 19.5	44.2 11.9 71.8 21.3 8.8 23.7 209.2 2.4 16.2 44.0 1.2 16.1	72.5 19.1 94.7 37.9 15.3 6.5 48.9 379.5 5.5 33.9 62.6 2.7 32.4	68.2 18.4 94.9 35.1 12.5 6.5 42.3 362.6 5.0 33.1 66.2 2.2 31.9

<sup>1</sup> The incidence rates represent the number of injuries per 100 full-time workers and were calculated as: (N/EH) x 200,000, where

Excludes farms with fewer than 11 employees.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor December 1995

<sup>=</sup> number of injuries

EΗ = total hours worked by all employees during the calendar year 200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

Standard Industrial Classification Manual, 1987 Edition.

Totals for divisions include data for industries not shown separately.

Total includes cases involving restricted work activity only in addition to days-away-from-work cases with or without restricted work activity.

 $<sup>^{\</sup>mbox{\scriptsize 5}}$  Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

6 Evaluate forms with 4

<sup>7</sup> Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.